Asphalt Roadway - Daily Report of Quality Control

Date **Page No.** **of**

Fin. Project ID: Material No.: Type of Mix: Mix Design No.:

Intended use Plant No.: Lot No.: Intended Lot Size: Lot Quantity:

Sublot	Lane / Crossovers	Station To Station		Loads	Linear Ft. / M	Width	SY / SM	Tons / MT	Spread

Record Of Bituminous Materials

Pay Item No.			
Grade Of Asphalt			
FDOT Calibration Tank No.			
Beginning Inch / MM			
Gallons / Liters			
Ending Inch / MM			
Gallons / Liters			
Time of Day after Unloading	AM PM	AM PM	AM PM
Temperature °C / °F			
Net (HOT) Gallons / Liters			
Correction Factor			
Prev. Gallons / Liters @ 60°F / 15°C			
Today's Gallons / Liters @ 60°F / 15°C			
Accum. Gallons / Liters @ 60°F / 15°C			
SY / SM Covered			
Spread Rate Gal/SY L/SM			

Average Spread Rate =

Paving Completed

Pay Item			
Measured In	**Tons / MT**	**SY / SM**	**This Lot**
Prev. Adj. Tot.			
Todays			
Total			
Waste			
Adj. Total			

LOT Density Calculations

Density Required	
Prev. Tons	
Todays	
Total	
No Density Required	
Prev. Tons	
Todays	
Total	

Temperature °F / °C

Established	
Average	
Maximum	
Minimum	
Average of 1st 5	

Qualified Technician Qualified Technician ID# (TIN)

Remarks:

Asphalt Roadway - Daily Report of Quality Control

Date 1 Page No. 2 of

Fin. Project ID: 3 Material No.: 4 Type of Mix: 5 Mix Design No.: 6

Intended use 7 Plant No.: 8 Lot No.: 9 Intended Lot Size: 10 Lot Quantity: 11

Sublot	Lane / Crossovers	Station To Station		Loads	Linear Ft. / M	Width	SY / SM	Tons / MT	Spread
12	13	14		15	16	17	18	19	20

Record Of Bituminous Materials

Pay Item No.	21		
Grade Of Asphalt	22		
FDOT Calibration Tank No.	23		
Beginning Inch / MM	24		
Gallons / Liters	25		
Ending Inch / MM	26		
Gallons / Liters	27		
Time of Day after Unloading	28	AM PM	AM PM
Temperature °C / °F	29		
Net (HOT) Gallons / Liters	30		
Correction Factor	31		
Prev. Gallons / Liters @ 60°F / 15°C	32		
Today's Gallons / Liters @ 60°F / 15°C	33		
Accum. Gallons / Liters @ 60°F / 15°C	34		
SY / SM Covered	35		
Spread Rate Gal/SY L/SM	36		

Average Spread Rate = 37

Paving Completed

Pay Item 38

Measured In	Tons / MT	SY / SM	This Lot
Prev. Adj. Tot.	39		50
Todays	40		
Total	41		
Waste	42		
Adj. Total	43		

LOT Density Calculations

Density Required	
Prev. Tons	44
Todays	45
Total	46
No Density Required	
Prev. Tons	47
Todays	48
Total	49

Temperature °F / °C

Established	51
Average	52
Maximum	53
Minimum	54
Average of 1st 5	55

56 Qualified Technician

57 Qualified Technician ID# (TIN)

Remarks: 58

INSTRUCTIONS FOR COMPLETION OF THE
ASPHALT ROADWAY DAILY REPORT OF QUALITY CONTROL

No erasures accepted, strikeout mistakes only

This report is not required for CQR entry

HEADER INFORMATION SECTION

1 **Date** - Enter the date this report was generated.

2 **Page Number** - Indicate the page number of this report.

3 **Fin. Project ID** - Enter the Financial Project ID on which the sampled mix was placed.

4 **Material No. -** A four-character code obtained from the JOB GUIDE SCHEDULE that identifies each material / test. Material numbers for extraction tests on various types of mixes are as follows:

FC - 123D	**Type SP - 123D**
B 12.5 - 123D	**MISC. - 143**

5 **Type of Mix** - Indicate asphalt mix type, e.g., FC-6, SP 12.5, B-12.5.

6 **Mix Design No.** - Example: SP 97-0008, SP 02-1750A.

7 **Intended use** - Indicate if mix is for Base, Structure, Friction Course etc,.

8 **Plant No.** - Enter the Plant No. from which the mix is being produced.

9 **Lot #** - Enter the Lot represented by this report.

10 **Intended Lot Size** - Enter the intended lot size (2000 or 4000).

11 **Lot Quantity** - Enter the actual Lot quantity only when this lot is completed or closed.

RECORD OF MIX PLACEMENT

12 **Sublot #** - Enter the Sublot # from which the spread rate was taken.

13 **Lane / Crossovers** - The lane where the mix was placed. Right or left should be determined by standing on the centerline of the median, facing the direction of increasing stations, and number the lanes L1, L2, L3, etc, or R1, R2, R3 etc. This indicates that lane L1 is the first lane to the left of the centerline. Center lanes should be identified with the letter C. Shoulders can be identified IL (inside left), OL (outside left), IR (inside right) and OR (outside right), RTL (right turn lane), LTL (left turn lane).

14 **Station to Station** - The beginning and ending stations of the reports construction. With multiple lanes being placed, this may vary and more than one line may be used.

15 **Loads -** The load number(s) from the delivery tickets of the mix placed in this area.

16 **Linear Feet / Meters** - The number of linear feet / meters in each area.

17 **Lane Width** - The width of the lane being placed, in feet or meters. If the width is not constant a drawing or diagram must be included on the back of the report or attached so that the area can be verified.

18 **SY / SM** - The number of square yards in each area. Record to the hundredth.

19 **Tons / MT** - The number of tons in each area. Record to nearest hundredth.

20 **Spread** - The average spread of each area must be calculated by using 5 truckloads of mix. If density is not required, Record to the tenth and average spread for mix being placed. Units: lb/yd2, kg/m2.

RECORD OF BITUMINOUS MATERIALS BOX

21 **Pay Item No.** - Record the pay item number for this shot of liquid asphalt.

22 **Grade of Asphalt** - Type liquid being used I.e., RS, AEP, AC, etc.

23 **FDOT Calibration Tank Number** - Obtain from approved F.D.O.T calibration chart / obtain from frame or tank of distributer.

24 **Beginning Measurement** - Distributor tank Measurement to the nearest 1/16 inch or nearest millimeter at beginning of production or every time tank is refilled.

25 **Gallons / Liters** - Record the amount of liquid in the tank at the beginning of production by using the certified calibration chart

26 **End Measurement** - Distributor tank measurement at end of production to the nearest 1/16 inch or nearest millimeter.

27 **Gallons / Liters** - Record the amount of liquid in the tank at the end of production by using the approved calibration chart.

28 **Time of Day** - Record the time when ending readings were taken. Circle AM or PM.

29 **Temperature** - Record the temperature of the liquid asphalt in the distributor. Circle ^{o}C or ^{o}F.

30 **NET Hot Gallons / Liters** - Record the measured amount of liquid asphalt used. Net Hot Gallons (or Liters) equals Item #25 minus Item #27.

31 **Correction Factor** - Obtain this from the appropriate chart for this liquid asphalt. (See Construction Training Qualification Program (C.T.Q.P) Asphalt Paving Level 2 manual).

32 **Previous Gallons / Liters @ 60^{o} F / 15^{o} C** - Adjusted total quantity of liquid asphalt placed before this report, Record to the hundredth. Circle either Gallons or Liters and ^{o}C or ^{o}F.

33 **Todays Gallons / Liters @ 60^{o} F / 15^{o} C** - Calculate and record, Item 30 x Item 31. Record to the hundredth. Circle either Gallons or Liters and ^{o}C or ^{o}F.

34 **Accumulated Gallons / Liters @ 60^{o} F / 15^{o} C** - Calculate and record, Item 32 + Item 33. Record to the hundredth. Circle either Gallons or Liters and ^{o}C or ^{o}F.

35 **SY / SM Covered** - Compute and enter the area covered by the liquid asphalt. Circle either SY or SM.

36 **Spread Rate** - Item #33 / Item #35. Circle either GAL/SY or L/SM.

AVERAGE SPREAD RATE

37 **Average Spread Rate** - The average spread for the report (see item 20). If density is not required, record average spread for mix being placed. Units: lb/yd2, kg/m2

PAVING COMPLETED BOX

38 **Pay Item No.** - Record the pay item number represented by the report. The pay item number must be written exactly as it appears on the project JOB GUIDE SCHEDULE.

39 **Previous Quantity** - Adjusted total quantity of mix placed before this report, In Tons, square yards / square meters for the applicable pay-item. Record to the hundredth.

40 **Todays Quantity** - Quantity of mix shipped to project that is represented by this report under the applicable pay-item, in tons, squareyards / square meters and This Lot. Record to the hundredth. NOTE: If the area to be placed requires more than one lift, the square yards / square meters reported must be prorated as follows:

English Units

Example: First Lift (1.25") of a two inch (2") item:

41,438.62 sy x (1.25" / 2.00") = 25,899.14 sy

Example: The second lift would then be 0.75" of the total 2" item:

41,438.62 sy x (0.75" / 2.00") = 15,539.48 sy

Metric Units

Example: First Lift (31mm) of a 50mm item:

41,438.62 sm x (31mm / 50mm) = 25,691.94 sm

Example: The second lift would then be 19mm of the total 50mm item:

41,438.62 sm x (19mm / 50mm) = 15,746.67 sm

41 **Total Quantity** - Add items #39 and #40. Record to the hundredth.

42 **Waste** - The amount of material delivered but not placed for pay on the project for the day recorded as tons / metric tons and square yards / square meters. (I.e. Private, MOT, Rejection of Poor Quality, Other.)

43 **Adjusted Total** - Total adjusted quantity of mix. Subtract Item #42 from Item #41.

LOT DENSITY CALCULATIONS

DENSITY REQUIRED

44 **Previous Tons** - Total quantity of mix placed before this report that required density, In Tons for THIS LOT.

45 **Todays Tons** - Total quantity of mix placed that is represented by this report that required density, In Tons for THIS LOT.

46 **Total Quantity** - Add items #44 and #45. Record to the hundredth. After completion of the LOT restart Previous Tons at 0.

NO DENSITY REQUIRED

47 **Previous Tons** - Total quantity of mix placed before this report that required NO density, In Tons for THIS LOT.

48 **Todays Tons** - Total quantity of mix placed that is represented by this report that required NO density, In Tons for THIS LOT.

49 **Total Quantity** - Add items #47 and #48. Record to the hundredth. After completion of the LOT restart Previous Tons at 0.

THIS LOT

50 **This Lot** - *(optional) - it is intended to assist in tracking the progress of the lot and aid in random sampling within the lot.*

TEMPERATURES

51 **Established** - Mix temperature established on the approved Mix Design.

52 **Average** - Average mix temperature taken at the roadway for the date the mix was sampled.

53 **Maximum** - Maximum mix temperature for the date the mix was sampled.

54 **Minimum** - Minimum mix temperature for the date the mix was sampled.

55 **Average of First Five Loads** - Record the average temperature of the first five truckloads here. (Record the temperature of the first five loads and at least one load out of every five loads thereafter on the asphalt delivery tickets.) Circle Applicable units.

MISCELLANEOUS

56 **Qualified Technician** - Record name of Qualified Asphalt Paving Inspector inspecting this project.

57 **Qualified Technician ID#** - Record the Qualified Asphalt Roadway Inspector TIN (First nine digits of Florida ID# / Drivers License Number).

58 **Remarks** - Examples of remarks - "Time Began:", "Time Completed:" (Note time and causes of interruptions), "No density required, initial layer of asphalt base over soil subgrade, overbuild course with variable thicknesses less than one inch, "No density required, intermediate course less than one inch, "No density required, limits of project is less than 1000 feet, see Standard Specification 334-5.1", "Paving after or during rain", "Night Paving", "Areas with problems and corrective actions".

More specific descriptions of where the material was placed can also be shown here - Example: L2 126 + 43 to 128 + 57, R4 1288 + 32 to 1333 + 00, C 132 + 25 to 139 + 45, etc.

NOTE: It is very important to have good communication between the Asphalt Plant Inspector and the Asphalt Road Inspector. Reports should be delivered to the QC technician at the plant no later than two (2) days after completion of the current days production.